RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: _09/269,250A_

Art Unit / Team No. : _1655_

Date Processed by STIC: _5/11/2000_

THE ATTACHED PRINTOUT EXPLAINS THE **ERRORS DETECTED.**

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS
BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT
COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO
COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT
 WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM
WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

| ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: _09/2692250A_ |

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.

8 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 ✓ _____ Use of **n's** or **Xaa's** (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

11 _____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

12 _____ Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of new Rules)

13 _____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

J. Souaya

1655

P.5

```
RAW SEQUENCE LISTING                          DATE: 05/11/2000
PATENT APPLICATION:   US/09/269,250A          TIME: 16:14:46

Input Set : A:\27991.app
Output Set: N:\CRF3\05112000\I269250A.raw

 3 <110> APPLICANT: Goulmy, Els
 5 <120> TITLE OF INVENTION: METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN
 6       HA-1
 8 <130> FILE REFERENCE: 58994
10 <140> CURRENT APPLICATION NUMBER: 09/269,250A
11 <141> CURRENT FILING DATE: 1999-05-21
13 <160> NUMBER OF SEQ ID NOS: 38
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 377
19 <212> TYPE: DNA
20 <213> ORGANISM: Human
22 <400> SEQUENCE: 1
23 gtgagagcca cggggacacc gaggcctggg tggaagacag agccagaccc aagggaggat 60
24 ggagggaggg acttggggag gctcagaagg gagggaggct cagatggcag ggagggctgt 120
25 gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttgg tgggggagtc 180
26 cctgagcgta cactggctca agagggtgcc cactttattt tttttaaagg atctgatggc 240
27 aattaggagg gaaaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga 300
28 gaatgcattt gggggccaag gtgtgggggtg ccgctggtgt aggatgaagg catgacaacg 360
29 ccaggcagaa gggcaat                                            377
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 20
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
40 <400> SEQUENCE: 2
41 gtgctgcctc ctggacactg                                          20
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
52 <400> SEQUENCE: 3
53 tggctctcac cgtcatgcag                                          20
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 20
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
64 <400> SEQUENCE: 4
65 tggctctcac cgtcacgcaa                                          20
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 20
70 <212> TYPE: DNA
```

RAW SEQUENCE LISTING   DATE: 05/11/2000
PATENT APPLICATION: US/09/269,250A   TIME: 16:14:46

Input Set : A:\27991.app
Output Set: N:\CRF3\05112000\I269250A.raw

```
 71 <213> ORGANISM: Artificial Sequence
 73 <220> FEATURE:
 74 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
 76 <400> SEQUENCE: 5
 77 gcattctctg tttccgtgtt                                         20
 80 <210> SEQ ID NO: 6
 81 <211> LENGTH: 20
 82 <212> TYPE: DNA
 83 <213> ORGANISM: Artificial Sequence
 85 <220> FEATURE:
 86 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
 88 <400> SEQUENCE: 6
 89 cttaaggagt gtgtgctgca                                         20
 92 <210> SEQ ID NO: 7
 93 <211> LENGTH: 20
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Artificial Sequence
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
100 <400> SEQUENCE: 7
101 cttaaggagt gtgtgttgcg                                         20
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 20
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
112 <400> SEQUENCE: 8
113 gctgtcatgg cctcttccac                                         20
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 20
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
124 <400> SEQUENCE: 9
125 gcattctctg tttccgtgtt                                         20
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 20
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
136 <400> SEQUENCE: 10
137 ggcagagagc cctcgcagcc                                         20
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 18
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 05/11/2000
PATENT APPLICATION: US/09/269,250A   TIME: 16:14:46

Input Set : A:\27991.app
Output Set: N:\CRF3\05112000\I269250A.raw

```
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
148 <400> SEQUENCE: 11
149 gtgtgttgcg tgacggtg                                              18
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 15
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
160 <400> SEQUENCE: 12
161 gtgtgttgcg tgacg                                                 15
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 16
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
172 <400> SEQUENCE: 13
173 tgtgtgttgc gtgacg                                                16
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 19
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
184 <400> SEQUENCE: 14
185 tgtgtgctgc atgacggtg                                             19
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 18
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
196 <400> SEQUENCE: 15
197 tgtgtgctgc atgacggt                                              18
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
208 <400> SEQUENCE: 16
209 gtgtgctgca tgacggtg                                              18
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 9
214 <212> TYPE: PRT
215 <213> ORGANISM: HUMAN
217 <220> FEATURE:
```

RAW SEQUENCE LISTING   DATE: 05/11/2000
PATENT APPLICATION: US/09/269,250A   TIME: 16:14:46

Input Set : A:\27991.app
Output Set: N:\CRF3\05112000\I269250A.raw

```
218 <223> OTHER INFORMATION: Wherein Xaa at position 3 represents a histidine
219        (H) or an arginine (R) residue.
221 <400> SEQUENCE: 17
222 Val Leu Xaa Asp Asp Leu Leu Glu Ala
223    1            5
226 <210> SEQ ID NO: 18
227 <211> LENGTH: 25
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
234 <400> SEQUENCE: 18
235 gctcctgcat gacgctctgt ctgca                              25
238 <210> SEQ ID NO: 19
239 <211> LENGTH: 24
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
246 <400> SEQUENCE: 19
247 gacgtcgtcg aggacatctc ccat                               24
250 <210> SEQ ID NO: 20
251 <211> LENGTH: 25
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
258 <400> SEQUENCE: 20
259 gaaggccaca gcaatcgtct ccagg                              25
262 <210> SEQ ID NO: 21
263 <211> LENGTH: 30
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
270 <400> SEQUENCE: 21
271 ccttgagaaa cttaaggagt gtgtgctgca                         30
274 <210> SEQ ID NO: 22
275 <211> LENGTH: 30
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
282 <400> SEQUENCE: 22
283 ccttgagaaa cttaaggagt gtgtgttgcg                         30
286 <210> SEQ ID NO: 23
287 <211> LENGTH: 33
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 05/11/2000
PATENT APPLICATION: US/09/269,250A   TIME: 16:14:46

Input Set : A:\27991.app
Output Set: N:\CRF3\05112000\I269250A.raw

```
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
294 <400> SEQUENCE: 23
295 ccggcatgga cgtcgtcgag gacatctccc atc                                  33
298 <210> SEQ ID NO: 24
299 <211> LENGTH: 30
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER
306 <400> SEQUENCE: 24
307 ctacttcagg ccacagcaat cgtctccagg                                      30
310 <210> SEQ ID NO: 25
311 <211> LENGTH: 27
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
317       fragments
319 <220> FEATURE:
320 <221> NAME/KEY: CDS
321 <222> LOCATION: (1)..(27)
323 <400> SEQUENCE: 25
324 gtg ttg cgt gac gac ctc ctt gag gcc                                  27
325 Val Leu Arg Asp Asp Leu Leu Glu Ala
326   1               5
329 <210> SEQ ID NO: 26
330 <211> LENGTH: 9
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial Sequence
333 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
336 <220> FEATURE:
336 <400> SEQUENCE: 26
337 Val Leu Arg Asp Asp Leu Leu Glu Ala
338   1               5
342 <210> SEQ ID NO: 27
343 <211> LENGTH: 27
344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial Sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
349       fragments
351 <220> FEATURE:
352 <221> NAME/KEY: CDS
353 <222> LOCATION: (1)..(27)
355 <400> SEQUENCE: 27
356 gtg ctg cat gac gac ctc ctt gag gcc                                  27
357 Val Leu His Asp Asp Leu Leu Glu Ala
358   1               5
```

[handwritten margin notes:] insert <220> wherever / w--> *[handwritten]* <223> is above (edit throughout Sequence Listing)

[handwritten at bottom:] see next page

VERIFICATION SUMMARY   DATE: 05/11/2000
PATENT APPLICATION: US/09/269,250A   TIME: 16:14:47

Input Set : A:\27991.app
Output Set: N:\CRF3\05112000\I269250A.raw

```
L:222 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:17
L:222 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17
L:222 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17
L:336 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:368 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:507 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:37
L:507 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:37
L:507 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:37
L:520 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:38
L:520 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38
L:520 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:38
```

```
<210> 38
<211> 9
<212> PRT
<213> Human

<220>
<223> Isolated Lysis-inducing peptides

<400> 38
Val Xaa His Asp Asp Xaa Xaa Glu Ala
 1                   5
```

see item 10 on Errn Summary Sheet